FIG. 1

$$(R^1)_x \underset{\text{(I)}}{\overset{(R^2)_y}{\bigcirc}} (R^1)_x$$

(I)

FIG. 2A

$$\left((R^1)_x \quad (R^2)_P \quad (R^3)_P \right)_m - Q$$

II(a)

FIG. 2B

$$\left((R^2)_x \overset{(R^3)_y}{\underset{(R^3)_P}{\bigcirc}} (R^2)_y \right)_m - Q$$

II(b)
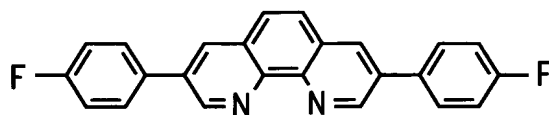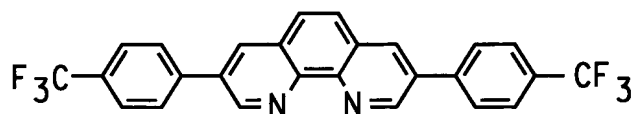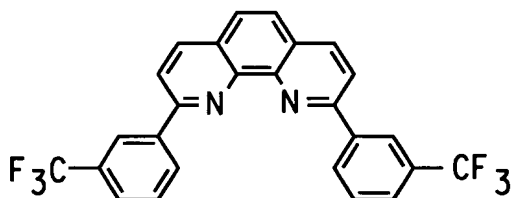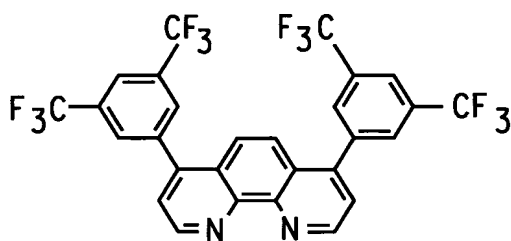
FIG. 3A I(a)

FIG. 3B I(b)

FIG. 3C I(c)
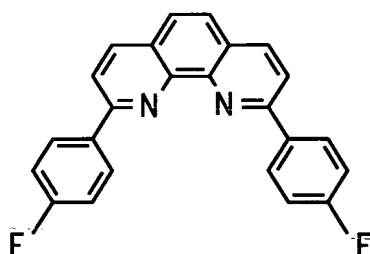
FIG. 3D I(d)
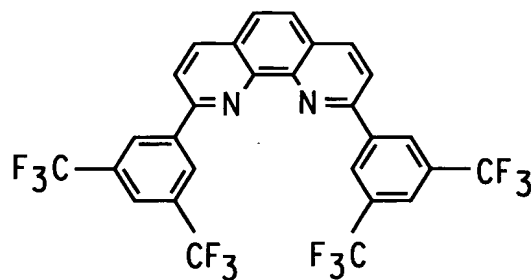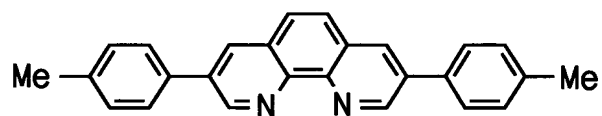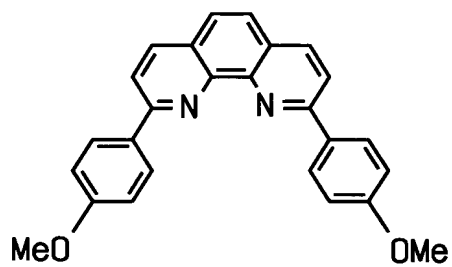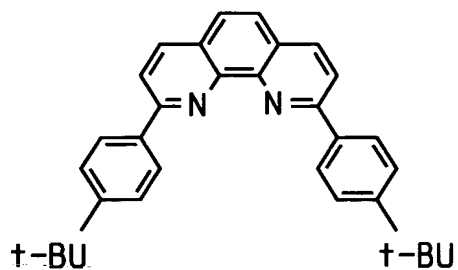
FIG. 3E I(e)

FIG. 3F

I(f)

FIG. 3G

I(g)

FIG. 3H

I(h)
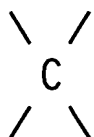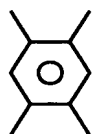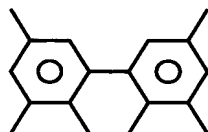
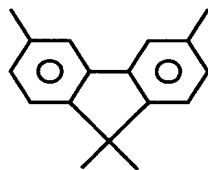FIG. 3I

I(i)

FIG. 4A   III(a)
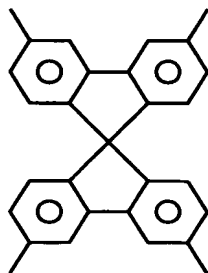
FIG. 4B   III(b)

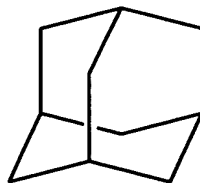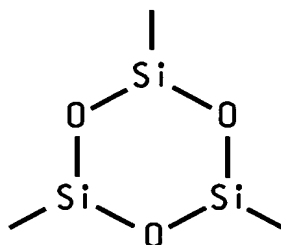FIG. 4C   III(c)

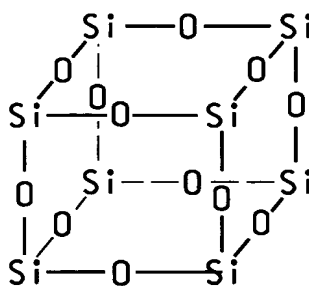FIG. 4D   III(d)

FIG. 4E   III(e)

FIG. 4F   III(f)

FIG. 4G   III(g)

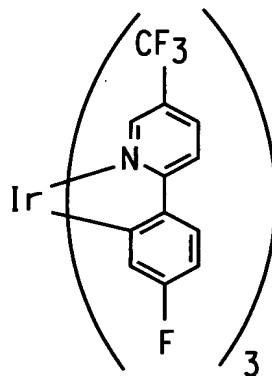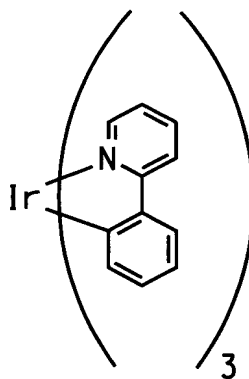FIG. 4H   III(h)

FIG. 5A
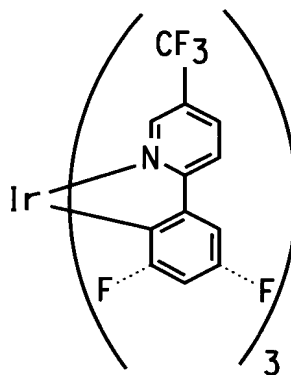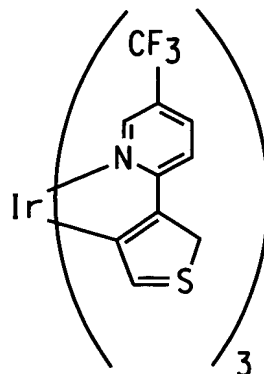
IV(a)

FIG. 5B

IV(b)

FIG. 5C

IV(c)
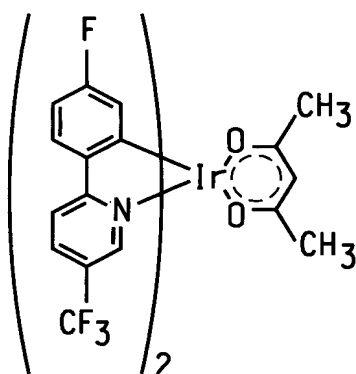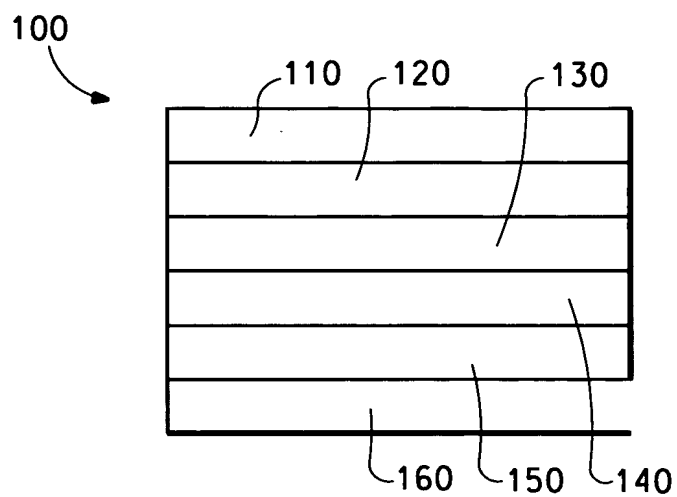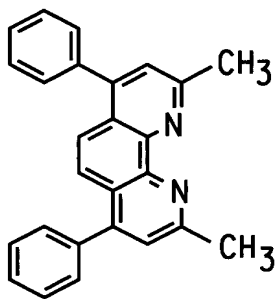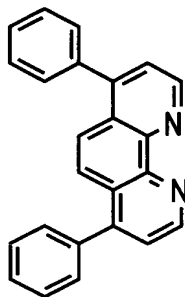
FIG. 5D IV(d)

FIG. 5E IV(e)

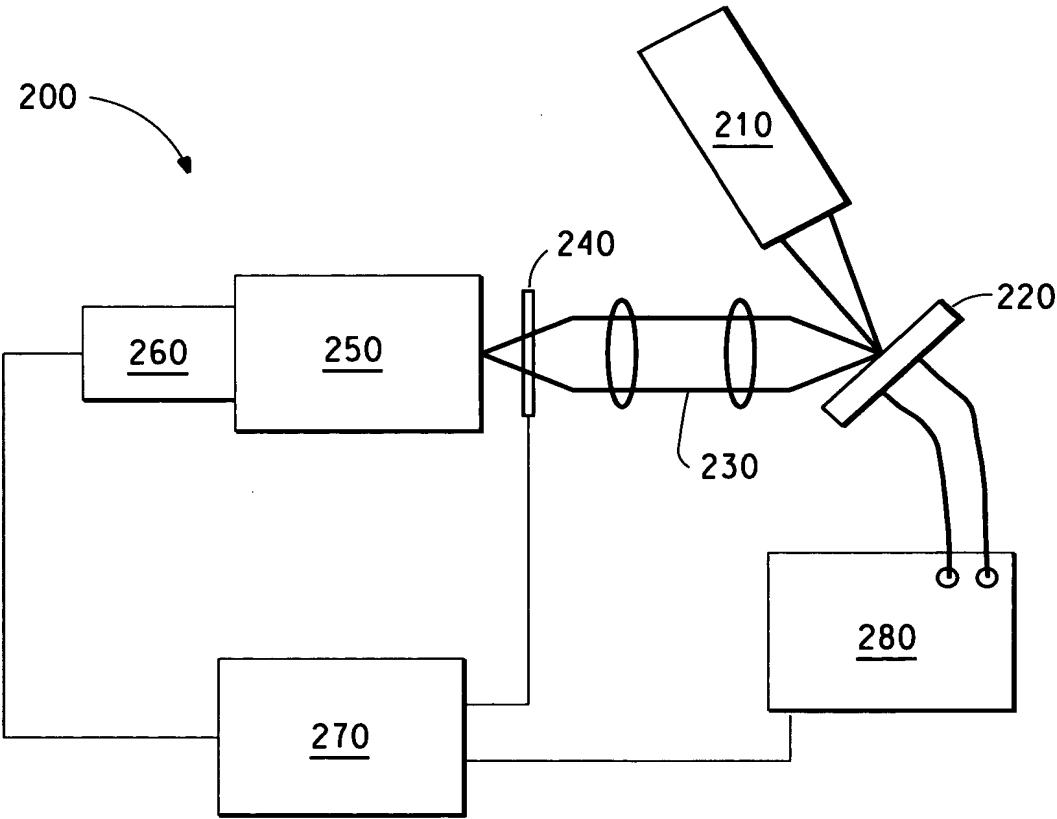FIG. 6

FIG. 7A

DDPA
(Compound F)

FIG. 7B

DPA
(Compound G)

FIG. 8

F I G. 9A
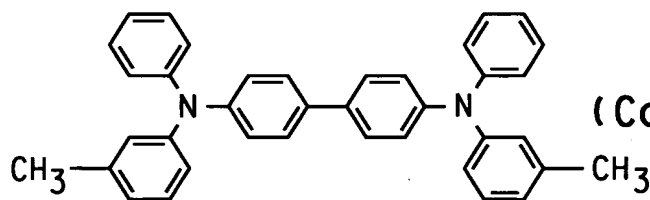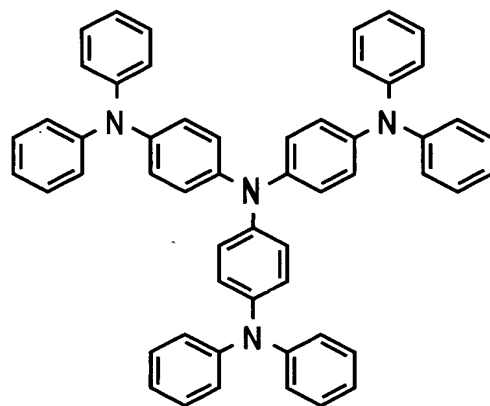
(C₂H₅)₂N
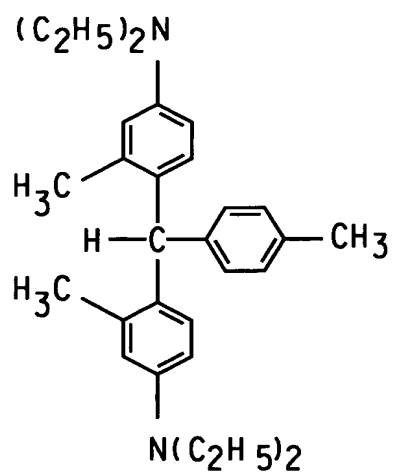
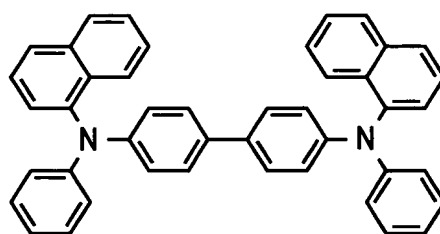MPMP
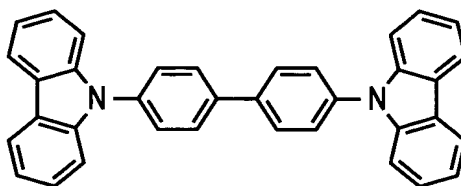(Compound A)

F I G. 9B

TPD
(Compound B)

F I G. 9C

MTDATA
(Compound C)

FIG. 9D

NPB
(Compound D)

FIG. 9E

CBP
(Compound E)